

Pioneer Companies, Inc.  
700 Louisiana St, Ste. 4300  
Houston, Texas 77002  
713-570-3333



# FAX

To: Tom Craig  
Longview Fiber

From: John Hay  
713-570-3281 or 800-334-9503

Fax: 206 767 2442

Pages: 5 (including this one)

Phone:

Date: 05/28/99

Re:

CC:

☐ Urgent

☐ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

• Comments:

Good Morning Tom

Here is the MSDS you had requested. Thanks....jrh

USEPA SF



1256859

# Material Safety Data Sheet

PIONEER CHLOR ALKALI COMPANY, INC.  
700 LOUISIANA STREET, SUITE 4200  
HOUSTON, TEXAS 77002

## SODIUM HYDROXIDE, SOLUTION

### Liquid Caustic Soda [Liquid Sodium Gluconate Added in Various Amounts (2.0-4.0%) According to Customer Specifications]

This information is required to be disclosed for safety in the workplace. This MSDS has been prepared within the guidelines of the Federal OSHA Hazard Communication Standard, 29CFR 1910.1200. This product is Hazardous under these regulations.

#### I. PRODUCT IDENTIFICATION

Revised: December 1992  
Formula: NaOH - Aqueous  
Synonyms/Common Names: Caustic Soda; Lye; Alkali  
CAS Number: 1310-73-2 (Sodium Hydroxide)  
CAS Number: 527-07-1 (Sodium Gluconate)  
DOT Proper Shipping Name: Caustic Soda Liquid  
DOT Hazard Class: Corrosive Material  
DOT LD. Number: UN 1824  
DOT Hazardous Substance: RQ = 1,000 lbs.  
NSF Standard 60 Maximum Use: 100 mg/L

#### II. PHYSICAL DATA

Appearance and Odor: Liquid Solution, slight yellow color at 68°F (20°C)  
Freezing Point: Approximately 50°F (10-12°C)  
Boiling Point: 266 - 284°F (130-140°C)  
Vapor Pressure: @ 25°C: Approximately equal to water  
Water Solubility: Miscible  
Molecular Weight: 40.01 (Active Agent)  
Specific Gravity: 1.5(50% Solution)

#### III. FIRE AND EXPLOSION DATA

Flash Point: N/A Autoignition Temperature: N/A

Extinguishing Media: N/A

Not considered flammable or combustible. Does not support combustion. However, contact with water or acids may generate sufficient heat to ignite nearby combustible materials. Contact with certain metals

such as aluminum, tin or zinc will evolve flammable and explosive hydrogen gas.

Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

As in any fire, prevent human exposure to fire, smoke fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard firefighting techniques to extinguish fire involving this material - use water spray, dry chemicals or carbon dioxide.

Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination.

Contaminated buildings, areas and equipment must not be used until they are properly decontaminated.

#### IV. SPILL OR LEAK HANDLING

IN CASE OF AN EMERGENCY, CALL CHEMTREC  
(800) 424-9300

Reportable Quantity per 40 CFR 302.4 is 1,000 lbs.

Any person entering an unknown concentration of a mist should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, supplied-air respirator with escape pack.

If the release is into the air evacuate the area and stop the source of the release.

Should the release be into water this material must be removed via a vacuum system or neutralized and absorbed as necessary with a commercial absorbent. All industrial, municipal and public operations that are downstream of the release should be notified to monitor for evidence of the release.

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## V. PROTECTIVE EQUIPMENT REQUIREMENTS

Normally respiratory protection is not needed since volatility and toxicity are low. However, if mists, vapors, or aerosols are generated, wear a NIOSH/MSHA respirator approved for dusts and mists.

**Ventilation Requirements:** Use general exhaust ventilation unless mists or aerosols are generated. If mists, vapors, or aerosols are generated a local exhaust ventilation system is recommended.

**Respiratory Requirements:** Although not normally needed, if the material is used where adequate ventilation is not available, use NIOSH-approved dust, mist and fume respirators to reduce exposure. Should exposure potential under poor conditions become greater, use a positive-pressure, air-supplied respirator.

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## VI. HANDLING AND STORAGE

Containers should be stored in a cool, dry, well ventilated area away from strong acids, flammable materials non-compatible or reactive materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container.

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## VII. TOXICOLOGY

This product is harmful if inhaled, swallowed, or ingested or if skin or eyes are exposed to it. Handle the effects of exposure as follows:

**Inhalation:** Inhalation of this material can be irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.

**Skin Contact:** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause destruction of the dermis with impairment of the ability of skin at point of contact to regenerate. Effects from chronic skin exposure would be similar to those from single exposure except for effects secondary to tissue destruction.

**Eye Contact:** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

**Ingestion:** Irritation and/burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

### Exposure Limit Information:

The Federal OSHA Permissible Exposure Limit (PEL) is 2 mg/m<sup>3</sup> as an 8-hour time-weighted average (29 CFR 1910.1000).

The American Conference of Governmental Industrial Hygienists (ACGIH, 1992) has recommended a Threshold Limit Value (TLV) of 2 mg/m<sup>3</sup> as a ceiling limit.

PEL's and TLV's refer to airborne concentrations measured in the breathing zone by appropriate sampling techniques.

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## VIII. FIRST AID

If a known exposure occurs or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the recommended procedures below and simultaneously contact a Poison Control Center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

**Ingestion:** This material is corrosive. If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**Skin Contact:** Under a safety shower, immediately flush all affected areas with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Properly dispose of contaminated clothing.

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, clear patient's airway and apply artificial respiration. If patient is breathing, oxygen may be given from a demand-type or continuous-flow inhaler, preferably with a physician's advice. Get medical attention immediately.

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## IX. REACTIVITY DATA

Non-corrosive to rubber at atmospheric temperatures. Sodium hydroxide is slowly corrosive to iron, copper, and glass. Aluminum, tin and zinc (including alloys containing any of these metals) will be attacked and are unsuitable as materials of construction. At elevated temperatures, the product may cause caustic embrittlement of steel.

This material is incompatible with acids, explosives, carbohydrates, nitrogen containing organics, organic peroxides, phosphorous and halogen compounds.

Avoid dilution with water unless under controlled conditions.

## X. TRANSPORTATION DATA

Under the Hazardous Materials Table 49 CFR 172.101 this material is considered corrosive, UN 1824. 49 CFR 172.101, Appendix, states that the Reportable Quantity (RQ) of a spill or leak of Sodium Hydroxide is 1,000 pounds and must be reported immediately at or above this limit.

The above material is subject under 49 CFR 173.244 and 173.249 to the U.S. DOT Hazardous Materials Regulations by the modes and packaging quantities stated below.

Rail - Bulk and Non-Bulk  
Motor - Bulk and Non-Bulk  
Water - Bulk and Non-Bulk  
Air - Bulk and Non-Bulk

## XI. DISPOSAL

This product becomes a hazardous waste if it meets the criteria of a hazardous waste defined in 40 CFR 261.

If this product becomes a waste, then it will be a hazardous waste under 420 CFR 268 and must be managed according to the Land Disposal Restrictions. If this material becomes a hazardous waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage and disposal facility in compliance with 40 CFR 268.

It is the responsibility of the user to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

## XII. ADDITIONAL REGULATORY STATUS INFORMATION

This material is listed on the Toxic Substances Control Act Inventory.

SARA Title III per 40 CFR 370.2 lists the hazard category of health as Immediate (acute) and Delayed (chronic).

## XIII. ADDITIONAL INFORMATION

This product is certified by the National Sanitation Foundation (NSF).

All information is offered in good faith, without guarantee or obligation for the accuracy of sufficiency thereof, or the results obtained, and is accepted at user's risk. The uses referred to are for the purpose of illustration only. User should investigate and establish the suitability of such use(s) in every case. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending license under valid patents.

## XIV. SOURCE OF REFERENCES

1. ACGIH Guide to Protective Clothing. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1987.
2. ANSI Z88.2. Recommended Practice for Respiratory Protection. American National Standards Institute, New York, NY.
3. Baker, C.J., The Fire Fighter's Handbook of Hazardous Materials, 4th Ed., Indiana: Maltese Enterprises, Inc., 1984.
4. Bretherick, L., Handbook of Reactive Chemical Hazards, 3rd Ed., Boston, MA: Butterworths, 1985.
5. Casarett, L. and J. Doull, Eds., Toxicology: The Basic Science of Poisons, 3rd Ed., New York: Macmillan Publishing Co., Inc. 1986.
6. Chemical Degradation and Permeation Database and Selection Guide for Resistant Protective Materials. Austin, Texas.
7. Clayton, G. and F. Clayton, Eds., Patty's Industrial Hygiene and Toxicology, Vol. 2A-C 3rd Ed., New York: John Wiley & Sons, 1981 - 1982.
8. Code of Federal Regulations, Titles 21, 29, 40 and 49. Washington, DC: U.S. Government Printing Office.
9. Emergency Response Guide (DOT). Washington, DC: U.S. Government Printing Office, 1987.
10. Fire Protection Guide on Hazardous Materials, 9th Ed., National Fire Protection Association, Batterymarch Park, Quincy, MA, 1986.
11. Gosselin, R., et al., Gosselin-Clinical Toxicology of Commercial Products, 5th Ed., Baltimore: Williams and Wilkins, 1984.
12. Hazardline, Occupational Health Service, Inc., New York, NY.

13. Langa, R., The Sigma-Aldrich Library of Chemical Safety Data, 1st Ed., Milwaukee, WI: Sigma-Aldrich Corporation, 1985.
14. Lewis, R. and D. Sweet, Eds., Registry of Toxic Effects of Chemical Substances, 1985 - 1986, Washington, DC: U.S. Government Printing Office, 1987.
15. NIOSH Pocket Guide to Chemical Hazards. Washington, DC: U.S. Government Printing Office, 1992.
16. Sax, N. Irving, Dangerous Properties of Hazardous Materials 6th Ed., New York: Van Nostrand Reinhold Company. 1984.
17. Threshold Limit Values and Biological Exposure Indices for 1991 - 1992. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1992.
18. Toxic Substance Control Act Inventory, Washington, DC: U.S. Government Printing Office, 1985.
19. National Institute for Occupational Safety and Health (NIOSH), (1991). The Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH; Cincinnati, Ohio.
20. National Institute for Occupational Safety and Health (NIOSH), (1978). "Occupational Health Guidance for Sodium Hydroxide," NIOSH; Cincinnati, Ohio.

FOR FURTHER PRODUCT INFORMATION CONTACT:

(East or Central)  
Pioneer Chlor Alkali Company  
P.O. Box 23  
St. Gabriel, Louisiana 77078  
Tel. (504) 642-1800

(West)  
Pioneer Chlor Alkali Company  
P.O. Box 86  
Henderson, Nevada 89015  
Tel. (702) 565-8781

<b>Facility Identification</b> Name <u>Longview Fibre Co.</u> Address <u>5901 E. Marginal Way South</u> City <u>Seattle</u> County <u>King</u> State <u>WA</u> Zip <u>98134</u> Latitude <u>N47°20.235'</u> Longitude <u>W122°32.989'</u> SIC Code <u>2653</u> Dun Bradstreet No <u>009041443</u>		<b>Owner/Operator Name</b> Name <u>Longview Fibre Co.</u> Phone <u>(360) 425-1550</u> Address <u>End of Fibre Way</u> City <u>Longview</u> State <u>WA</u> Zip <u>98632</u> FAX <u>(360) 575-5934</u> EMAIL: <u>tdcraig@longfibre.com</u>	
<b>Mailing Address</b> Must be included if different from Facility Address Name <u>Longview Fibre Co.</u> Street <u>5901 E. Marginal Way South</u> PO Box <u>24867</u> City <u>Seattle</u> State <u>WA</u> Zip <u>98124</u>		<b>Emergency Contact</b> Name <u>Tom Craig</u> Title <u>Plant Manager</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 793-4638</u> Name <u>Belton Rogers</u> Title <u>Plant Superintendent</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 723-3086</u>	
<b>Important: Read all instructions before completing form.</b>		<b>Reporting Period: From January 1 to December 31, 2000</b> <input checked="" type="checkbox"/> Check if information below is identical to the information submitted last year.	
<b>Chemical Description</b>		<b>Physical and Health Hazards</b> (check all that apply)	<b>INVENTORY</b>
CAS <u>68476302</u> Trade Secret <input type="checkbox"/> Chem. Nam <u>Diesel #2 Fuel</u> EHS Name _____ Check all that apply <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS		<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site
CAS <u>1310732</u> Trade Secret <input type="checkbox"/> Chem. Nam <u>Sodium Hydroxide Solution</u> EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS		<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site
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<b>Storage Codes</b>	<b>Storage Locations (Non-Confidential)</b> (Please Print)
Container Type Pressure Temperature	
<u>A</u> <u>1</u> <u>4</u>	<u>Tank is located at the NE corner of the building.</u>
<u>C</u> <u>1</u> <u>5</u>	<u>Tank is inside building at SE corner.</u>

**Certification (Read and sign after completing all sections)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one thru \_\_\_\_\_, and that based on my inquiry of these individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Tom Craig, Plant Manager

Name and official title of owner/operator's authorized representative

Tom Craig  
Signature

2-6-01  
Date Signed

**OPTIONAL ATTACHMENTS**

- ☒ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures

<b>Facility Identification</b> Name <u>LONGVIEW FIBRE CO.</u> Address <u>5901 E. MARGINAL WAY SOUTH</u> City <u>SEATTLE</u> County <u>KING</u> State <u>WA</u> Zip <u>98134</u> Latitude <u>N 47° 20.235'</u> Longitude <u>W 122° 32.989'</u> SIC Code <u>2653</u> Dun Bradstreet No <u>009041443</u>		<b>Owner/Operator Name</b> Name <u>LONGVIEW FIBRE CO</u> Phone <u>(360) 425-1550</u> Address <u>END OF FIBRE WAY</u> City <u>LONGVIEW</u> State <u>WA</u> Zip <u>98632</u> FAX <u>(360) 575-5934</u> EMAIL: <u>STOCRAIG@LONGVIEW.FIBRE.CO</u>							
<b>Mailing Address</b> Must be included if different from Facility Address Name <u>LONGVIEW FIBRE CO.</u> Street <u>5901 E. MARGINAL WAY SOUTH</u> PO Box <u>24867</u> City <u>SEATTLE</u> State <u>WA</u> Zip <u>98124</u>		<b>Emergency Contact</b> Name <u>TOM CRAIG</u> Title <u>PLANT MANAGER</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 793-4638</u> Name <u>BILTON ROGERS</u> Title <u>PLANT SUPERINTENDENT</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 723-3086</u>							
<b>Important: Read all instructions before completing form.</b>		<b>Reporting Period: From January 1 to December 31, 2000</b> <input checked="" type="checkbox"/> Check if information below is identical to the information submitted last year.							
<b>Chemical Description</b> CAS <u>68476-30-2</u> Trade Secret <input type="checkbox"/> Chem. Nam <u>DIESEL #2 FUEL</u> EHS Name _____ Check all that apply <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS CAS <u>1310-73-2</u> Trade Secret <input type="checkbox"/> Chem. Nam <u>SODIUM HYDROXIDE SOLUTION</u> EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS CAS <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Trade Secret <input type="checkbox"/> Chem. Nam _____ EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS		<b>Physical and Health Hazards</b> (check all that apply) <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic) <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic) <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)		<b>INVENTORY</b> 04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site 04 Max. Daily Amount (code) 04 Avg. Daily Amount (code) 365 No. of Days On-site <input type="checkbox"/> Max. Daily Amount (code) <input type="checkbox"/> Avg. Daily Amount (code) <input type="checkbox"/> No. of Days On-site		<b>Storage Codes</b> Container Type Pressure Temperature A 1 4 C 1 5		<b>Storage Locations (Non-Confidential)</b> (Please Print) TANK IS LOCATED AT THE NW CORNER OF THE BUILDING TANK IS INSIDE BUILDING AT SOUTHEAST CORNER	

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TOM CRAIG / PLANT MANAGER  
Name and official title of owner/operator's authorized representative

Signature

Date Signed

**OPTIONAL ATTACHMENTS**

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<b>Chemical Description</b>	<b>Physical and Health Hazards</b> (check all that apply)	<b>INVENTORY</b>	<b>Storage Codes</b> Container Type Pressure Temperature <b>Storage Locations</b> (Non-Confidential) (Please Print)
CAS <u>68476</u> <u>302</u> Trade Secret <input type="checkbox"/> Chem. Name <u>DIESEL #2 FUEL</u> EHS Name _____ Check all that apply <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site	<u>A</u> <u>1</u> <u>4</u> <b>TANK IS LOCATED AT THE NE CORNER OF THE BUILDING</b>
CAS <u>1310</u> <u>732</u> Trade Secret <input type="checkbox"/> Chem. Name <u>SODIUM HYDROXIDE SOLUTION</u> EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site	<u>C</u> <u>1</u> <u>5</u> <b>TANK IS INSIDE BUILDING AT SOUTHEAST CORNER</b>
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	____ Max. Daily Amount (code) ____ Avg. Daily Amount (code) ____ No. of Days On-site	____

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**TOM CRAIG / PLANT MANAGER**

Name and official title of owner/operator's authorized representative

Signature

Date Signed

**OPTIONAL ATTACHMENTS**

- ☒ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures



LFC001493

### Specific Information by Chemical

**FOR  
OFFICIAL  
USE  
ONLY**

Date Received \_\_\_\_\_

Name <u>Norman L. Buckholz</u>	Title <u>Plant Manager</u>
Phone <u>( 206 ) 762-7170</u>	24 Hr. Phone <u>(206 ) 839-3937</u>
Name <u>Gene Nunez</u>	Title <u>Prod. Supervisor</u>
Phone <u>( 206 ) 762-7170</u>	24 Hr. Phone <u>( 206 ) 672-0154</u>

☐ Check if information below is identical to the information submitted last year.

### Optional

A	1	4

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7

Date signed \_\_\_\_\_

☐ I have attached a site plan

☐ I have attached a list of site coordinate abbreviations

☐ I have attached a description of dikes and other safeguard measures

**Tier Two  
EMERGENCY  
AND  
HAZARDOUS  
CHEMICAL  
INVENTORY**Specific  
Information  
by Chemical**Facility Identification**Name Longview Fibre Company  
Street 5901 East Marginal Way South  
City Seattle County \_\_\_\_\_ State WA Zip 98134SIC Code 2653 Dun & Brad Number 00-904-1443FOR  
OFFICIAL  
USE  
ONLY

ID # \_\_\_\_\_

Date Received \_\_\_\_\_

**Owner/Operator Name**Name Longview Fibre Company Phone (206) 425-1550  
Mail Address P.O. Box 639, Longview, WA. 98632**Emergency Contact**Name Gary V. Smith Title Plant Manager  
Phone (206) 762-7170 24 Hr. Phone (206) 246-0187Name Norman Buckholz Title Prod. Supervisor  
Phone (206) 762-7170 24 Hr. Phone (206) 839-3937

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19\_\_\_\_

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Container Type Temperature Pressure	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>N A</u> Trade Secret <input type="checkbox"/> Chem. Name <u>#2 Fuel Oil, Diesel</u> Check all that apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>03</u> Avg. Daily Amount (code) <u>210</u> No. of Days On-site (days)	<u>A 4 1</u>	<u>Tank is on Northeast corner of building</u>	<input type="checkbox"/>
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<input type="checkbox"/> Max. Daily Amount (code) <input type="checkbox"/> Avg. Daily Amount (code) <input type="checkbox"/> No. of Days On-site (days)			<input type="checkbox"/>
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<input type="checkbox"/> Max. Daily Amount (code) <input type="checkbox"/> Avg. Daily Amount (code) <input type="checkbox"/> No. of Days On-site (days)			<input type="checkbox"/>

**Certification** (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through \_\_\_\_\_ and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Gary V. Smith, Plant Manager

Gary V. Smith

3-1-91

**Optional Attachments**☐ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of

# APPENDIX

# Addresses & Numbers

## Virgin Islands

U.S. Virgin Islands Emergency  
Response Commission  
Title III  
179 Altona  
St. Thomas, VI 00802  
(809) 774-3320 Ext. 169 or 170

## Virginia

Virginia Emergency Response  
Council  
Department of Waste  
Management  
James Monroe Building  
11th Floor  
101 North 14th Street  
Richmond, Virginia 23219  
(804) 225-2999

## Washington

Washington Emergency  
Response Commission  
Division of Emergency  
Management  
4220 East Martin Way,  
Mailstop PT-11  
Olympia, Washington 98504  
(206) 753-5255

## West Virginia

West Virginia Emergency  
Response Commission  
Department of Natural  
Resources  
Capitol Building, Room 669  
1800 Washington Street, East  
Charleston, West Virginia  
25305  
(304) 348-2754

## Wisconsin

Division of Emergency  
Governor  
4802 Sheboygan Avenue  
Room 99A  
P.O. Box 7865  
Madison, Wisconsin 53707  
(608) 266-3232

## Wyoming

Wyoming Emergency  
Management Agency  
Comprehensive Emergency  
Management  
5500 Bishop Boulevard  
P.O. Box 1709  
Cheyenne, Wyoming 82003  
(307) 777-7566

## EPA REGIONAL OFFICES

### Region -- State

4 -- Alabama	5 -- Indiana	8 -- North Dakota
10 -- Alaska	7 -- Iowa	5 -- Ohio
9 -- American Samoa	7 -- Kansas	6 -- Oklahoma
9 -- Arizona	4 -- Kentucky	10 -- Oregon
6 -- Arkansas	6 -- Louisiana	3 -- Pennsylvania
9 -- California	1 -- Maine	2 -- Puerto Rico
8 -- Colorado	3 -- Maryland	1 -- Rhode Island
9 -- Commonwealth of Northern Mariana Islands	1 -- Massachusetts	4 -- South Carolina
1 -- Connecticut	5 -- Michigan	8 -- South Dakota
3 -- Delaware	5 -- Minnesota	4 -- Tennessee
3 -- District of Columbia	4 -- Mississippi	6 -- Texas
4 -- Florida	7 -- Missouri	8 -- Utah
4 -- Georgia	8 -- Montana	1 -- Vermont
9 -- Guam	7 -- Nebraska	2 -- Virgin Islands
9 -- Hawaii	9 -- Nevada	3 -- Virginia
10 -- Idaho	1 -- New Hampshire	10 -- Washington
5 -- Illinois	2 -- New Jersey	3 -- West Virginia
	6 -- New Mexico	5 -- Wisconsin
	2 -- New York	
	4 -- North Carolina	

Contact the Preparedness Coordinator at the Regional Office

### Region 1

EPA - Region 1  
New England Regional  
Laboratory  
60 Westview Street  
Lexington, MA 02173  
(617) 860-4300 Ext. 221

### Region 2

EPA - Region 2  
Woodbridge Avenue  
Edison, NJ 08837  
(201) 321-6656

### Region 3

EPA - Region 3  
841 Chestnut Street  
Philadelphia, PA 19107  
(215) 597-0807

### Region 4

EPA - Region 4  
345 Courtland Street, NE  
Atlanta, GA 30365  
(404) 257-3931

### Region 5

EPA - Region 5  
230 South Dearborn Street  
Chicago, IL 60604  
(312) 886-1964

### Region 6

EPA - Region 6  
Allied Bank Tower  
1445 Ross Avenue  
Dallas, TX 75202-2733  
(214) 655-2270

### Region 7

EPA - Region 7  
726 Minnesota Avenue  
Kansas City, Kansas 66101  
(913) 236-2806

### Region 8

EPA - Region 8  
One Denver Place  
999 18th Street  
Suite 1300  
Denver, CO 80202-2413  
(303) 293-1723

### Region 9

EPA - Region 9  
215 Fremont Street  
San Francisco, CA 94105  
(415) 974-7460

### Region 10

EPA - Region 10  
1200 6th Avenue  
Seattle, WA 98101  
(206) 442-1263

Revised June 1990

WASHINGTON COMMUNITY RIGHT-TO-KNOW #:

WAD009282161

COUNTY: KING

Page 1 of 1 pages  
Form Approved OMB No. 2050-0072Tier Two  
EMERGENCY  
AND  
HAZARDOUS  
CHEMICAL  
INVENTORYSpecific  
Information  
by Chemical

## Facility Identification

Name Longview Fibre Company  
 Street 5901 East marginal way  
 City Longview County King State WA Zip   
 SIC Code 2653 Dun & Brad Number 00-904-11443

FOR  
OFFICIAL  
USE  
ONLY

ID #

Date Received

## Owner/Operator Name

Name Longview Fibre Company Phone (206) 425-1550  
 Mail Address P.O. Box 639, Longview, Wash. 98632

## Emergency Contact

Name GARY U. Smith Title PLT MGR  
 Phone (206) 762-7170 24 Hr. Phone (206) 246-0187  
 Name NORMAN Buckholz Title PROD. SUPERVISOR  
 Phone (206) 762-7170 24 Hr. Phone (206) 834-3932

Important: Read all instructions before completing form

Reporting Period

From January 1 to December 31, 19

☐ Check if information below is identical to the information submitted last year.

## Chemical Description

Physical  
and Health  
Hazards  
(check all that apply)

## Inventory

Container  
Type  
Temperature  
PressureStorage Codes and Locations  
(Non-Confidential)

Storage Locations

Optional

CAS NA Trade Secret ☐  
 Chem. Name #2 fuel oil, diesel  
 Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS  
 EHS Name

☒ Fire  
☐ Sudden Release of Pressure  
☐ Reactivity  
☐ Immediate (acute)  
☐ Delayed (chronic)

04 Max. Daily Amount (code)  
03 Avg. Daily Amount (code)  
210 No. of Days On-site (days)

A	4	1

Tank is on north east corner of building

CAS  Trade Secret ☐  
 Chem. Name  
 Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS  
 EHS Name

☐ Fire  
☐ Sudden Release of Pressure  
☐ Reactivity  
☐ Immediate (acute)  
☐ Delayed (chronic)

Max. Daily Amount (code)  
 Avg. Daily Amount (code)  
 No. of Days On-site (days)


CAS  Trade Secret ☐  
 Chem. Name  
 Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS  
 EHS Name

☐ Fire  
☐ Sudden Release of Pressure  
☐ Reactivity  
☐ Immediate (acute)  
☐ Delayed (chronic)

Max. Daily Amount (code)  
 Avg. Daily Amount (code)  
 No. of Days On-site (days)


## Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through 1, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Signature

3-1-91

Date signed

## Optional Attachments

- ☐ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures

LFC001497



# LONGVIEW FIBRE COMPANY

5901 EAST MARGINAL WAY SOUTH

P.O. BOX 24867

SEATTLE, WASHINGTON 98124

206-762-7170 FAX 206-767-2442

February 17, 1995

Dear CRKW, SFD, KCOEM,

Enclosed is the Two Tier Emergency and Hazardous Chemical Inventory as required by Federal Emergency Planning and Community Right To Know Act (EPCRA). If you have any questions concerning this inventory, please contact me at 1-206-762-7170.

Sincerely,

Sonny Lee Bivins  
General Foreman  
Longview Fibre, Seattle

SLB:ka  
enclosure

**Tier Two  
EMERGENCY  
AND  
HAZARDOUS  
CHEMICAL  
INVENTORY**Specific  
Information  
by Chemical**Facility Identification**Name Longview Fibre Co.  
Street 5901 E Marginal Way South  
City Seattle County King State Wa. Zip 98124SIC Code 2653Dun & Brad  
Number 00-704-7443FOR  
OFFICIAL  
USE  
ONLY

ID #

Date Received

**Owner/Operator Name**Name Longview Fibre Co. Phone 206-425-1550  
Mail Address P.O. box 639 Longview Wa. 98632**Emergency Contact**Name Norm Buckholz Title Plant Manager  
Phone 206-762-7170 24 Hr. Phone 1206-839-3937  
Name Sonny Rivine Title General Foreman  
Phone 206-782-7170 24 Hr. Phone 106-782-1888**Important: Read all instructions before completing form****Reporting Period**

From January 1 to December 31, 19

☐ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards	Inventory	Storage Codes and Locations (Non-Confidential)	Optional
CAS <u>6 8 4 7 6</u> <u>3 4 6</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Diesel #2 fuel</u> Check all that apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>3 6 5</u> No. of Days On-site (days)	Container Type <u>A 1 4</u> Pressure _____ Temperature _____ Storage Locations <u>TANK IS LOCATED AT THE N.E. CORNER OF THE BUILDING</u>	<input type="checkbox"/>
CAS <u>0 1 3 1 0 7 3 2</u> Trade Secret <input type="checkbox"/> Chem. Name <u>CAUSTIC SODA</u> Check all that apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name <u>SODIUM HYDROXIDE SOLUTION</u>	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>0 4</u> Max. Daily Amount (code) <u>0 4</u> Avg. Daily Amount (code) <u>2 2 9</u> No. of Days On-site (days)	Container Type <u>C 1 4</u> Pressure _____ Temperature _____ Storage Locations <u>Tank inside of building southeast corner</u>	<input type="checkbox"/>
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	_____ Max. Daily Amount (code) _____ Avg. Daily Amount (code) _____ No. of Days On-site (days)	Container Type _____ Pressure _____ Temperature _____ Storage Locations _____	<input type="checkbox"/>

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I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through \_\_\_\_\_ and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Norman Buckholz Plant Manager

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

**Optional Attachments**

- ☐
- I have attached a site plan
- 
- ☐
- I have attached a list of site coordinate abbreviations
- 
- ☐
- I have attached a description of dikes and other safeguard measures

<b>Tier Two</b> <b>EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY</b> <i>Specific Information by Chemical</i>	<b>Facility Identification</b> Name _____ Street _____ City _____ County _____ State _____ Zip _____ SIC Code <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> Dun & Brad Number <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span>		<b>Owner/Operator Name</b> Name _____ Phone (    ) _____ Mail Address _____	
	<b>FOR OFFICIAL USE ONLY</b> D # <span style="border: 1px solid black; padding: 0 20px;"> </span> Date Received <span style="border: 1px solid black; padding: 0 20px;"> </span>		<b>Emergency Contact</b> Name _____ Title _____ Phone (    ) _____ 24 Hr. Phone (    ) _____ Name _____ Title _____ Phone (    ) _____ 24 Hr. Phone (    ) _____	
	Important: Read all instructions before completing form      Reporting Period: From January 1 to December 31, 19____			

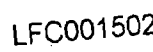
<h2 style="margin: 0;">Confidential Location Information Sheet</h2>		<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>Container Type</span> <span>Pressure</span> <span>Temperature</span> </div> <h3 style="margin: 0;">Storage Codes and Locations (Confidential)</h3>	<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>Storage Locations</span> <span>Optional</span> </div>
CAS # <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span>	Chem. Name _____	<div style="display: flex;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div>	<div style="border: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 20px; height: 20px; border: 1px solid black;"></div> </div>
CAS # <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span>	Chem. Name _____	<div style="display: flex;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div>	<div style="border: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 20px; height: 20px; border: 1px solid black;"></div> </div>
CAS # <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span> <span style="border: 1px solid black; padding: 0 5px;">  </span>	Chem. Name _____	<div style="display: flex;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px;"></div> </div>	<div style="border: 1px solid black; height: 100px; position: relative;"> <div style="position: absolute; top: 0; right: 0; width: 20px; height: 20px; border: 1px solid black;"></div> </div>

<b>Certification</b> (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through _____, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.	<b>Optional Attachments</b> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <input type="checkbox"/> I have attached a site plan         </div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;"> <input type="checkbox"/> I have attached a list of site coordinate abbreviations         </div> <div style="border: 1px solid black; padding: 2px;"> <input type="checkbox"/> I have attached a description of dikes and other safeguard measures         </div>
Name and official title of owner/operator OR owner/operator's authorized representative _____	Signature _____ Date signed _____

☒ I have attached a site plan

☐ I have attached a list of site coordinate abbreviations

☐ I have attached a description of dikes and other safeguard measures





Magnum Material

Material Name	Label	MSDS
Epid Bond II.	✓	✓
Epid Bond II Solvent thinner	✓	✓
Just Oleum Spray	✓	✓
Enamel spray	✓	✓
Static Guard	✓	○
No-slip Indicator Spray	✓	○
300 Rubber Gasket adhesive	✓	○
1ishelmann Micral 763 (varnish on paint)	✓	✓
1st 3M Mount Artist glue spray	✓	✓
1orthwoods Fireball	✓	✓
Learer Pearener	✓	✓
Single Green (Soap)	✓	✓
Varn	✓	✓
2 eq Electrical contact Grease	✓	✓
Luron Hand Soap (Baraco)	✓	○
Sani-tuff Hand soap	✓	○
590 Graphite Powder	✓	✓
Yellow 77 Wire Pulling Lubricant	✓	✓
P-19 Hardener	✓	○
W-P. 40	✓	✓
L.P.S. - 3	✓	✓
2 Rite Lube Dow Corning	✓	✓
Grease Zomplex 2	✓	✓
1alvoline Transmission fluid	✓	✓
T.S.L.	✓	✓
Dow Corning Grease III	✓	✓

Hazardous Material 6-8-89

Material Name	Label	MSDS
Montek S solvent - Degreaser	✓	✓
B-D Belt spray	✓	✓
02000 Clear Acrylic	✓	✓
Weld-on Primer	✓	✓
Loctite 620-609-601-271-242-222	✓	✓
Timesaver Lapping Compound	✓	✓
Ridgid Dark thread cutting oil	✓	✓
Wagner Brake fluid	✓	✓
Ridgid No-clear thread cutting oil	✓	✓
Volupte	✓	✓
Mobil S.H.C. - 630	✓	✓
Lubilate	✓	✓
Union 76 Hi Temp Grease #2	✓	✓
Templex T. 1 200	✓	✓
9-2 Alcohol, Solvent, fuel	✓	✓
Canmet 9N9	✓	✓
Imocal M.P. Gear lube 80W/90	✓	✓
Imocal A.M. 150	✓	✓
Imocal turbine oil 150 22	✓	✓
Hydraulic oil A.M. 46	✓	✓
Amalgam 100	✓	✓
Urea	✓	✓
National Dura-bond	✓	✓
Three Elephant V bar	✓	✓
Caustic Soda	✓	✓
H.T.I 5950	✓	✓







PIONEER CHLOR ALKALI CO., INC.

17011 Beach Boulevard, Suite 550 - Huntington Beach, CA 92647

**FAX**

Date:

5-27-99

Number of pages including cover sheet:

5

To:

Tom Craig  
Longview Fibre

Phone:

Fax phone: 206-767-2442

CC:

From:

JESSICA M. TRUONG

Phone:

(714) 848 - 7730

Fax phone:

(714) 848 - 7746

REMARKS:

☐ Urgent☒ For your review☐ Reply ASAP☐ Please commentPer Al Hazelquist -  
Caustic MSDS

# Material Safety Data Sheet

PIONEER CHLOR ALKALI COMPANY, INC.  
700 LOUISIANA STREET, SUITE 4200  
HOUSTON, TEXAS 77002

## SODIUM HYDROXIDE, SOLUTION

### Liquid Caustic Soda

This information is required to be disclosed for safety in the workplace. This MSDS has been prepared within the guidelines of the Federal OSHA Hazard Communication Standard, 29CFR 1910.1200. This product is Hazardous under these regulations.

### I. PRODUCT IDENTIFICATION

Revised: March 1994

Formula: NaOH - Aqueous

Synonyms/Common Names: Caustic Soda; Lye; Alkali

CAS Number: 1310-73-2 (Sodium Hydroxide)

DOT Proper Shipping Name: Sodium Hydroxide Liquid

DOT Hazard Class: Corrosive Material

DOT I.D. Number: UN 1824

DOT Hazardous Substance: RQ = 1,000 lbs.

ANSI/NSF Standard 60 Maximum Dose for Potable Water: 100 mg/L

### II. PHYSICAL DATA

Appearance and Odor: Liquid Solution, slight yellow color at 68°F (20°C)

Freezing Point: Approximately 50°F (10-12°C)

Boiling Point: 266 - 284°F (130-140°C)

Vapor Pressure: @ 25°C: Approximately equal to water

Water Solubility: Miscible

Molecular Weight: 40.01 (Active Agent)

Specific Gravity: 1.5(50% Solution)

### III. FIRE AND EXPLOSION DATA

Flash Point: N/A Autoignition Temperature: N/A

Extinguishing Media: N/A

Not considered flammable or combustible. Does not support combustion. However, contact with water or acids may generate sufficient heat to ignite nearby combustible materials. Contact with certain metals such as aluminum, tin or zinc will evolve flammable and explosive hydrogen gas.

Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

As in any fire, prevent human exposure to fire, smoke fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard firefighting techniques to extinguish fire involving this material - use water spray, dry chemicals or carbon dioxide.

Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination or fire hazard.

Contaminated buildings, areas and equipment must not be used until they are properly decontaminated.

### IV. SPILL OR LEAK HANDLING

IN CASE OF AN EMERGENCY, CALL CHEMTREC  
(800) 424-9300

Reportable Quantity per 40 CFR 302.4 is 1,000 lbs.

Any person entering an unknown concentration of a mist should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, supplied-air respirator with escape pack.

If the release is into the air evacuate the area and stop the source of the release.

Should the release be into water this material must be removed via a vacuum system or neutralized and absorbed as necessary with a commercial absorbent. All industrial, municipal and public operations that are downstream of the release should be notified to monitor for evidence of the release until otherwise notified.

### V. PROTECTIVE EQUIPMENT REQUIREMENTS

Normally respiratory protection is not needed since volatility and toxicity are low. However, if mists, vapors,

or aerosols are generated, wear a NIOSH/MSHA respirator approved for dusts and mists.

#### Ventilation Requirements:

Use general exhaust ventilation unless mists or aerosols are generated. If mists, vapors, or aerosols are generated a local exhaust ventilation system is recommended.

#### Respiratory Requirements:

Although not normally needed, if the material is used where adequate ventilation is not available, use NIOSH-approved dust, mist and fume respirators to reduce exposure. Should exposure potential under poor conditions become greater, use a positive-pressure, air-supplied respirator.

### VI. HANDLING AND STORAGE

Containers should be stored in a cool, dry, well ventilated area away from strong acids, flammable materials non-compatible or reactive materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container.

### VII. TOXICOLOGY

This product is harmful if inhaled, swallowed, or ingested or if skin or eyes are exposed to it. Handle the effects of exposure as follows:

**Inhalation:** Inhalation of this material can be irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.

**Skin Contact:** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause destruction of the dermis with impairment of the ability of skin at point of contact to regenerate. Effects from chronic skin exposure would be similar to those from single exposure except for effects secondary to tissue destruction.

**Eye Contact:** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

**Ingestion:** Irritation and/burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

**Exposure Limit Information:** The Federal OSHA Permissible Exposure Limit (PEL) is 2 mg/m<sup>3</sup> as an 8-hour time-weighted average (29 CFR 1910.1000).

The American Conference of Governmental Industrial Hygienists (ACGIH, 1992) has recommended a Threshold Limit Value (TLV) of 2 mg/m<sup>3</sup> as a ceiling limit.

PEL's and TLV's refer to airborne concentrations measured in the breathing zone by appropriate sampling techniques.

### VIII. FIRST AID

If a known exposure occurs or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the recommended procedures below and simultaneously contact a Poison Control Center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

**Ingestion:** This material is corrosive. If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**Skin Contact:** Under a safety shower, immediately flush all affected areas with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Properly dispose of contaminated clothing.

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, clear patient's airway and apply artificial respiration. If patient is breathing, oxygen may be given from a demand-type or continuous-flow inhaler, preferably with a physician's advice. Get medical attention immediately.

### IX. REACTIVITY DATA

Non-corrosive to rubber at atmospheric temperatures. Sodium hydroxide is slowly corrosive to iron, copper, and glass. Aluminum, tin and zinc (including alloys

containing any of these metals) will be attacked and are unsuitable as materials of construction. At elevated temperatures, the product may cause caustic embrittlement of steel.

This material is incompatible with acids, explosives, carbohydrates, nitrogen containing organics, organic peroxides, phosphorous and halogen compounds.

Avoid dilution with water unless under controlled conditions.

#### **X. TRANSPORTATION DATA**

Under the Hazardous Materials Table 49 CFR 172.101 this material is considered corrosive, UN 1824. 49 CFR 172.101, Appendix, states that the Reportable Quantity (RQ) of a spill or leak of Sodium Hydroxide is 1,000 pounds and must be reported immediately at or above this limit.

The above material is subject under 49 CFR 173.244 and 173.249 to the U.S. DOT Hazardous Materials Regulations by the modes and packaging quantities stated below.

Rail - Bulk and Non-Bulk

Motor - Bulk and Non-Bulk

Water - Bulk and Non-Bulk

Air - Bulk and Non-Bulk

#### **XI. DISPOSAL**

This product becomes a hazardous waste if it meets the criteria of a hazardous waste defined in 40 CFR 261.

If this product becomes a waste, then it will be a hazardous waste under 40 CFR 268 and must be managed according to the Land Disposal Restrictions. If this material becomes a hazardous waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage and disposal facility in compliance with 40 CFR 268.

It is the responsibility of the user to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

#### **XII. ADDITIONAL REGULATORY STATUS INFORMATION**

This material is listed on the Toxic Substances Control Act Inventory.

SARA Title III per 40 CFR 370.2 lists the hazard category of health as Immediate (acute) and Delayed (chronic).

#### **XIII. ADDITIONAL INFORMATION**

This product is certified to ANSI/NSF Standard 60.

All information is offered in good faith, without guarantee or obligation for the accuracy or sufficiency thereof, or the results obtained, and is accepted at user's risk. The uses referred to are for the purpose of illustration only. User should investigate and establish the suitability of such uses(s) in every case. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending license under valid patents.

#### **XIV. SOURCE OF REFERENCES**

1. ACGIH Guide to Protective Clothing. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1987.
2. ANSI Z88.2. Recommended Practice for Respiratory Protection. American National Standards Institute, New York, NY.
3. Baker, C.J., The Fire Fighter's Handbook of Hazardous Materials, 4th Ed., Indiana: Maltese Enterprises, Inc., 1984.
4. Bretherick, L., Handbook of Reactive Chemical Hazards, 3rd Ed., Boston, MA: Butterworths, 1985.
5. Casarett, L. and J. Doull, Eds., Toxicology: The Basic Science of Poisons, 3rd Ed., New York: Macmillan Publishing Co., Inc. 1986.
6. Chemical Degradation and Permeation Database and Selection Guide for Resistant Protective Materials. Austin, Texas.
7. Clayton, G. and F. Clayton, Eds., Patty's Industrial Hygiene and Toxicology, Vol. 2A-C 3rd Ed., New York: John Wiley & Sons, 1981 - 1982.
8. Code of Federal Regulations, Titles 21, 29, 40 and 49. Washington, DC: U.S. Government Printing Office.
9. Emergency Response Guide (DOT). Washington, DC: U.S. Government Printing Office, 1973.
10. Fire Protection Guide on Hazardous Materials, 9th Ed., National Fire Protection Association, Batterymarch Park, Quincy, MA, 1986.
11. Gosselin, R., et al., Gosselin-Clinical Toxicology of Commercial Products, 5th Ed., Baltimore: Williams and Wilkins, 1984.

12. Hazardline, Occupational Health Service, Inc., New York, NY.
13. Lenga, R., The Sigma-Aldrich Library of Chemical Safety Data, 1st Ed., Milwaukee, WI: Sigma-Aldrich Corporation, 1985.
14. Lewis, R. and D. Sweet, Eds., Registry of Toxic Effects of Chemical Substances, 1985 - 1986, Washington, DC: U.S. Government Printing Office, 1987.
15. NIOSH Pocket Guide to Chemical Hazards. Washington, DC: U.S. Government Printing Office, 1992.
16. Sax, N. Irving, Dangerous Properties of Hazardous Materials 6th Ed., New York: Van Nostrand Reinhold Company, 1984.
17. Threshold Limit Values and Biological Exposure Indices for 1991 - 1992. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1992.
18. Toxic Substance Control Act Inventory, Washington, DC: U.S. Government Printing Office, 1985.
19. National Institute for Occupational Safety and Health (NIOSH), (1991). The Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH; Cincinnati, Ohio.
20. National Institute for Occupational Safety and Health (NIOSH), (1978). "Occupational Health Guidance for Sodium Hydroxide," NIOSH; Cincinnati, Ohio.

FOR FURTHER PRODUCT INFORMATION CONTACT:

(East or Central)  
Pioneer Chlor Alkali Company  
P.O. Box 23  
St. Gabriel, Louisiana 70776  
Tel. (504) 642-1800

(West)  
Pioneer Chlor Alkali Company  
P.O. Box 86  
Henderson, Nevada 89015  
Tel. (702) 5656-8781

# Material Safety Data Sheet

PIONEER CHLOR ALKALI COMPANY, INC.  
700 LOUISIANA STREET, SUITE 4200  
HOUSTON, TEXAS 77002

## SODIUM HYDROXIDE, SOLUTION

**Liquid Caustic Soda**  
[Liquid Sodium Gluconate Added in  
Various Amounts (2.0-4.0%) According  
to Customer Specifications]

This information is required to be disclosed for safety in the workplace. This MSDS has been prepared within the guidelines of the Federal OSHA Hazard Communication Standard, 29CFR 1910.1200. This product is Hazardous under these regulations.

### I. PRODUCT IDENTIFICATION

Revised: December 1992  
Formula: NaOH - Aqueous  
Synonyms/Common Names: Caustic Soda; Lye; Alkali  
CAS Number: 1310-73-2 (Sodium Hydroxide)  
CAS Number: 527-07-1 (Sodium Gluconate)  
DOT Proper Shipping Name: Caustic Soda Liquid  
DOT Hazard Class: Corrosive Material  
DOT I.D. Number: UN 1824  
DOT Hazardous Substance: RQ = 1,000 lbs.  
NSF Standard 60 Maximum Use: 100 mg/L

### II. PHYSICAL DATA

Appearance and Odor: Liquid Solution, slight yellow color at 68°F (20°C)  
Freezing Point: Approximately 50°F (10-12°C)  
Boiling Point: 266 - 284°F (130-140°C)  
Vapor Pressure: @ 25°C: Approximately equal to water  
Water Solubility: Miscible  
Molecular Weight: 40.01 (Active Agent)  
Specific Gravity: 1.5(50% Solution)

### III. FIRE AND EXPLOSION DATA

Flash Point: N/A Autoignition Temperature: N/A

Extinguishing Media: N/A

Not considered flammable or combustible. Does not support combustion. However, contact with water or acids may generate sufficient heat to ignite nearby combustible materials. Contact with certain metals

such as aluminum, tin or zinc will evolve flammable and explosive hydrogen gas.

Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

As in any fire, prevent human exposure to fire, smoke fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard firefighting techniques to extinguish fire involving this material - use water spray, dry chemicals or carbon dioxide.

Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination.

Contaminated buildings, areas and equipment must not be used until they are properly decontaminated.

### IV. SPILL OR LEAK HANDLING

IN CASE OF AN EMERGENCY, CALL CHEMTREC  
(800) 424-9300

Reportable Quantity per 40 CFR 302.4 is 1,000 lbs.

Any person entering an unknown concentration of a mist should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, supplied-air respirator with escape pack.

If the release is into the air evacuate the area and stop the source of the release.

Should the release be into water this material must be removed via a vacuum system or neutralized and absorbed as necessary with a commercial absorbent. All industrial, municipal and public operations that are downstream of the release should be notified to monitor for evidence of the release.

## V. PROTECTIVE EQUIPMENT REQUIREMENTS

Normally respiratory protection is not needed since volatility and toxicity are low. However, if mists, vapors, or aerosols are generated, wear a NIOSH/MSHA respirator approved for dusts and mists.

**Ventilation Requirements:** Use general exhaust ventilation unless mists or aerosols are generated. If mists, vapors, or aerosols are generated a local exhaust ventilation system is recommended.

**Respiratory Requirements:** Although not normally needed, if the material is used where adequate ventilation is not available, use NIOSH-approved dust, mist and fume respirators to reduce exposure. Should exposure potential under poor conditions become greater, use a positive-pressure, air-supplied respirator.

## VI. HANDLING AND STORAGE

Containers should be stored in a cool, dry, well ventilated area away from strong acids, flammable materials non-compatible or reactive materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container.

## VII. TOXICOLOGY

This product is harmful if inhaled, swallowed, or ingested or if skin or eyes are exposed to it. Handle the effects of exposure as follows:

**Inhalation:** Inhalation of this material can be irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.

**Skin Contact:** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause destruction of the dermis with impairment of the ability of skin at point of contact to regenerate. Effects from chronic skin exposure would be similar to those from single exposure except for effects secondary to tissue destruction.

**Eye Contact:** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

**Ingestion:** Irritation and/burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

### Exposure Limit Information:

The Federal OSHA Permissible Exposure Limit (PEL) is 2 mg/m<sup>3</sup> as an 8-hour time-weighted average (29 CFR 1910.1000).

The American Conference of Governmental Industrial Hygienists (ACGIH, 1992) has recommended a Threshold Limit Value (TLV) of 2 mg/m<sup>3</sup> as a ceiling limit.

PEL's and TLV's refer to airborne concentrations measured in the breathing zone by appropriate sampling techniques.

## VIII. FIRST AID

If a known exposure occurs or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the recommended procedures below and simultaneously contact a Poison Control Center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

**Ingestion:** This material is corrosive. If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**Skin Contact:** Under a safety shower, immediately flush all affected areas with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Properly dispose of contaminated clothing.

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, clear patient's airway and apply artificial respiration. If patient is breathing, oxygen may be given from a demand-type or continuous-flow inhaler, preferably with a physician's advice. Get medical attention immediately.

## IX. REACTIVITY DATA

Non-corrosive to rubber at atmospheric temperatures. Sodium hydroxide is slowly corrosive to iron, copper, and glass. Aluminum, tin and zinc (including alloys containing any of these metals) will be attacked and are unsuitable as materials of construction. At elevated temperatures, the product may cause caustic embrittlement of steel.

This material is incompatible with acids, explosives, carbohydrates, nitrogen containing organics, organic peroxides, phosphorous and halogen compounds.

Avoid dilution with water unless under controlled conditions.

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## X. TRANSPORTATION DATA

Under the Hazardous Materials Table 49 CFR 172.101 this material is considered corrosive, UN 1824. 49 CFR 172.101, Appendix, states that the Reportable Quantity (RQ) of a spill or leak of Sodium Hydroxide is 1,000 pounds and must be reported immediately at or above this limit.

The above material is subject under 49 CFR 173.244 and 173.249 to the U.S. DOT Hazardous Materials Regulations by the modes and packaging quantities stated below.

Rail - Bulk and Non-Bulk  
Motor - Bulk and Non-Bulk  
Water - Bulk and Non-Bulk  
Air - Bulk and Non-Bulk

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## XI. DISPOSAL

This product becomes a hazardous waste if it meets the criteria of a hazardous waste defined in 40 CFR 261.

If this product becomes a waste, then it will be a hazardous waste under 40 CFR 268 and must be managed according to the Land Disposal Restrictions. If this material becomes a hazardous waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage and disposal facility in compliance with 40 CFR 268.

It is the responsibility of the user to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

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## XII. ADDITIONAL REGULATORY STATUS INFORMATION

This material is listed on the Toxic Substances Control Act Inventory.

SARA Title III per 40 CFR 370.2 lists the hazard category of health as Immediate (acute) and Delayed (chronic).

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## XIII. ADDITIONAL INFORMATION

This product is certified by the National Sanitation Foundation (NSF).

All information is offered in good faith, without guarantee or obligation for the accuracy of sufficiency thereof, or the results obtained, and is accepted at user's risk. The uses referred to are for the purpose of illustration only. User should investigate and establish the suitability of such use(s) in every case. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending license under valid patents.

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## XIV. SOURCE OF REFERENCES

1. ACGIH Guide to Protective Clothing. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1987.
2. ANSI Z88.2. Recommended Practice for Respiratory Protection. American National Standards Institute, New York, NY.
3. Baker, C.J., The Fire Fighter's Handbook of Hazardous Materials, 4th Ed., Indiana: Mahtese Enterprises, Inc., 1984.
4. Bretherick, L., Handbook of Reactive Chemical Hazards, 3rd Ed., Boston, MA: Butterworths, 1985.
5. Casarett, L. and J. Doull, Eds., Toxicology: The Basic Science of Poisons, 3rd Ed., New York: Macmillan Publishing Co., Inc. 1986.
6. Chemical Degradation and Permeation Database and Selection Guide for Resistant Protective Materials. Austin, Texas.
7. Clayton, G. and F. Clayton, Eds., Patty's Industrial Hygiene and Toxicology, Vol. 2A-C 3rd Ed., New York: John Wiley & Sons, 1981 - 1982.
8. Code of Federal Regulations, Titles 21, 29, 40 and 49. Washington, DC: U.S. Government Printing Office.
9. Emergency Response Guide (DOT). Washington, DC: U.S. Government Printing Office, 1987.
10. Fire Protection Guide on Hazardous Materials, 9th Ed., National Fire Protection Association, Batterymarch Park, Quincy, MA, 1986.
11. Gosselin, R., et al., Gosselin-Clinical Toxicology of Commercial Products, 5th Ed., Baltimore: Williams and Wilkins, 1984.
12. Hazardline, Occupational Health Service, Inc., New York, NY.

13. Lenga, R., The Sigma-Aldrich Library of Chemical Safety Data, 1st Ed., Milwaukee, WI: Sigma-Aldrich Corporation, 1985.
14. Lewis, R. and D. Sweet, Eds., Registry of Toxic Effects of Chemical Substances, 1985 - 1986, Washington, DC: U.S. Government Printing Office, 1987.
15. NIOSH Pocket Guide to Chemical Hazards. Washington, DC: U.S. Government Printing Office, 1992.
16. Sax, N. Irving, Dangerous Properties of Hazardous Materials 6th Ed., New York: Van Nostrand Reinhold Company. 1984.
17. Threshold Limit Values and Biological Exposure Indices for 1991 - 1992. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1992.
18. Toxic Substance Control Act Inventory, Washington, DC: U.S. Government Printing Office, 1985.
19. National Institute for Occupational Safety and Health (NIOSH), (1991). The Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH; Cincinnati, Ohio.
20. National Institute for Occupational Safety and Health (NIOSH), (1978). "Occupational Health Guidance for Sodium Hydroxide," NIOSH; Cincinnati, Ohio.

FOR FURTHER PRODUCT INFORMATION CONTACT:

(East or Central)  
Pioneer Chlor Alkali Company  
P.O. Box 23  
St. Gabriel, Louisiana 77076  
Tel. (504) 642-1800

(West)  
Pioneer Chlor Alkali Company  
P.O. Box 86  
Henderson, Nevada 89015  
Tel. (702) 565-8781

# Material Safety Data Sheet

PIONEER CHLOR ALKALI COMPANY, INC.  
700 LOUISIANA STREET, SUITE 4200  
HOUSTON, TEXAS 77002

## SODIUM HYDROXIDE, SOLUTION

### Liquid Caustic Soda [Liquid Sodium Gluconate Added in Various Amounts (2.0-4.0%) According to Customer Specifications]

This information is required to be disclosed for safety in the workplace. This MSDS has been prepared within the guidelines of the Federal OSHA Hazard Communication Standard, 29CFR 1910.1200. This product is Hazardous under these regulations.

#### I. PRODUCT IDENTIFICATION

Revised: December 1992  
Formula: NaOH - Aqueous  
Synonyms/Common Names: Caustic Soda; Lye; Alkali  
CAS Number: 1310-73-2 (Sodium Hydroxide)  
CAS Number: 527-07-1 (Sodium Gluconate)  
DOT Proper Shipping Name: Caustic Soda Liquid  
DOT Hazard Class: Corrosive Material  
DOT I.D. Number: UN 1824  
DOT Hazardous Substance: RQ = 1,000 lbs.  
NSF Standard 60 Maximum Use: 100 mg/L

#### II. PHYSICAL DATA

Appearance and Odor: Liquid Solution, slight yellow color at 68°F (20°C)  
Freezing Point: Approximately 50°F (10-12°C)  
Boiling Point: 266 - 284°F (130-140°C)  
Vapor Pressure: @ 25°C: Approximately equal to water  
Water Solubility: Miscible  
Molecular Weight: 40.01 (Active Agent)  
Specific Gravity: 1.5(50% Solution)

#### III. FIRE AND EXPLOSION DATA

Flash Point: N/A      Autoignition Temperature: N/A

Extinguishing Media: N/A

Not considered flammable or combustible. Does not support combustion. However, contact with water or acids may generate sufficient heat to ignite nearby combustible materials. Contact with certain metals

such as aluminum, tin or zinc will evolve flammable and explosive hydrogen gas.

Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure.

As in any fire, prevent human exposure to fire, smoke fumes or products of combustion. Evacuate non-essential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard firefighting techniques to extinguish fire involving this material - use water spray, dry chemicals or carbon dioxide.

Keep fire-exposed containers cool with water spray to prevent rupture due to excessive heat. High pressure water hose may spread product from broken containers increasing contamination.

Contaminated buildings, areas and equipment must not be used until they are properly decontaminated.

#### IV. SPILL OR LEAK HANDLING

IN CASE OF AN EMERGENCY, CALL CHEMTREC  
(800) 424-9300

Reportable Quantity per 40 CFR 302.4 is 1,000 lbs.

Any person entering an unknown concentration of a mist should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, supplied-air respirator with escape pack.

If the release is into the air evacuate the area and stop the source of the release.

Should the release be into water this material must be removed via a vacuum system or neutralized and absorbed as necessary with a commercial absorbent. All industrial, municipal and public operations that are downstream of the release should be notified to monitor for evidence of the release.

## V. PROTECTIVE EQUIPMENT REQUIREMENTS

Normally respiratory protection is not needed since volatility and toxicity are low. However, if mists, vapors, or aerosols are generated, wear a NIOSH/MSHA respirator approved for dusts and mists.

**Ventilation Requirements:** Use general exhaust ventilation unless mists or aerosols are generated. If mists, vapors, or aerosols are generated a local exhaust ventilation system is recommended.

**Respiratory Requirements:** Although not normally needed, if the material is used where adequate ventilation is not available, use NIOSH-approved dust, mist and fume respirators to reduce exposure. Should exposure potential under poor conditions become greater, use a positive-pressure, air-supplied respirator.

## VI. HANDLING AND STORAGE

Containers should be stored in a cool, dry, well ventilated area away from strong acids, flammable materials non-compatible or reactive materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container.

## VII. TOXICOLOGY

This product is harmful if inhaled, swallowed, or ingested or if skin or eyes are exposed to it. Handle the effects of exposure as follows:

**Inhalation:** Inhalation of this material can be irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract which can result in shortness of breath, wheezing, choking, chest pain, and impairment of lung function. Inhalation of high concentrations can result in permanent lung damage.

**Skin Contact:** Dermal exposure can cause severe irritation and/or burns characterized by redness, swelling and scab formation. Prolonged skin exposure may cause destruction of the dermis with impairment of the ability of skin at point of contact to regenerate. Effects from chronic skin exposure would be similar to those from single exposure except for effects secondary to tissue destruction.

**Eye Contact:** Severe irritation and/or burns can occur following eye exposure. Contact may cause impairment of vision and corneal damage.

**Ingestion:** Irritation and/burns can occur to the entire gastrointestinal tract, including the stomach and intestines, characterized by nausea, vomiting, diarrhea, abdominal pain, bleeding and/or tissue ulceration.

### Exposure Limit Information:

The Federal OSHA Permissible Exposure Limit (PEL) is 2 mg/m<sup>3</sup> as an 8-hour time-weighted average (29 CFR 1910.1000).

The American Conference of Governmental Industrial Hygienists (ACGIH, 1992) has recommended a Threshold Limit Value (TLV) of 2 mg/m<sup>3</sup> as a ceiling limit.

PEL's and TLV's refer to airborne concentrations measured in the breathing zone by appropriate sampling techniques.

## VIII. FIRST AID

If a known exposure occurs or if poisoning is suspected, do not wait for symptoms to develop. Immediately start the recommended procedures below and simultaneously contact a Poison Control Center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

**Ingestion:** This material is corrosive. If swallowed, immediately give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. Do not give anything by mouth to an unconscious or convulsing person.

**Skin Contact:** Under a safety shower, immediately flush all affected areas with large amounts of running water for at least 15 minutes. Remove contaminated clothing and shoes. Do not attempt to neutralize with chemical agents. Get medical attention immediately. Properly dispose of contaminated clothing.

**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, clear patient's airway and apply artificial respiration. If patient is breathing, oxygen may be given from a demand-type or continuous-flow inhaler, preferably with a physician's advice. Get medical attention immediately.

## IX. REACTIVITY DATA

Non-corrosive to rubber at atmospheric temperatures. Sodium hydroxide is slowly corrosive to iron, copper, and glass. Aluminum, tin and zinc (including alloys containing any of these metals) will be attacked and are unsuitable as materials of construction. At elevated temperatures, the product may cause caustic embrittlement of steel.

This material is incompatible with acids, explosives, carbohydrates, nitrogen containing organics, organic peroxides, phosphorous and halogen compounds.

Avoid dilution with water unless under controlled conditions.

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## X. TRANSPORTATION DATA

Under the Hazardous Materials Table 49 CFR 172.101 this material is considered corrosive, UN 1824. 49 CFR 172.101, Appendix, states that the Reportable Quantity (RQ) of a spill or leak of Sodium Hydroxide is 1,000 pounds and must be reported immediately at or above this limit.

The above material is subject under 49 CFR 173.244 and 173.249 to the U.S. DOT Hazardous Materials Regulations by the modes and packaging quantities stated below.

Rail - Bulk and Non-Bulk  
Motor - Bulk and Non-Bulk  
Water - Bulk and Non-Bulk  
Air - Bulk and Non-Bulk

---

## XI. DISPOSAL

This product becomes a hazardous waste if it meets the criteria of a hazardous waste defined in 40 CFR 261.

If this product becomes a waste, then it will be a hazardous waste under 420 CFR 268 and must be managed according to the Land Disposal Restrictions. If this material becomes a hazardous waste, it must be disposed of in accordance with local, state and federal regulations in a permitted hazardous waste treatment, storage and disposal facility in compliance with 40 CFR 268.

It is the responsibility of the user to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

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## XII. ADDITIONAL REGULATORY STATUS INFORMATION

This material is listed on the Toxic Substances Control Act Inventory.

SARA Title III per 40 CFR 370.2 lists the hazard category of health as Immediate (acute) and Delayed (chronic).

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## XIII. ADDITIONAL INFORMATION

This product is certified by the National Sanitation Foundation (NSF).

All information is offered in good faith, without guarantee or obligation for the accuracy of sufficiency thereof, or the results obtained, and is accepted at user's risk. The uses referred to are for the purpose of illustration only. User should investigate and establish the suitability of such use(s) in every case. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending license under valid patents.

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## XIV. SOURCE OF REFERENCES

1. ACGIH Guide to Protective Clothing. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1987.
2. ANSI Z88.2. Recommended Practice for Respiratory Protection. American National Standards Institute, New York, NY.
3. Baker, C.J., The Fire Fighter's Handbook of Hazardous Materials, 4th Ed., Indiana: Maltese Enterprises, Inc., 1984.
4. Bretherick, L., Handbook of Reactive Chemical Hazards, 3rd Ed., Boston, MA: Butterworths, 1985.
5. Casarett, L. and J. Doull, Eds., Toxicology: The Basic Science of Poisons, 3rd Ed., New York: Macmillan Publishing Co., Inc. 1986.
6. Chemical Degradation and Permeation Database and Selection Guide for Resistant Protective Materials. Austin, Texas.
7. Clayton, G. and F. Clayton, Eds., Patty's Industrial Hygiene and Toxicology, Vol. 2A-C 3rd Ed., New York: John Wiley & Sons, 1981 - 1982.
8. Code of Federal Regulations, Titles 21, 29, 40 and 49. Washington, DC: U.S. Government Printing Office.
9. Emergency Response Guide (DOT). Washington, DC: U.S. Government Printing Office, 1987.
10. Fire Protection Guide on Hazardous Materials, 9th Ed., National Fire Protection Association, Batterymarch Park, Quincy, MA, 1986.
11. Gosselin, R., et al., Gosselin-Clinical Toxicology of Commercial Products, 5th Ed., Baltimore: Williams and Wilkins, 1984.
12. Hazardline, Occupational Health Service, Inc., New York, NY.

13. Langa, R., The Sigma-Aldrich Library of Chemical Safety Data, 1st Ed., Milwaukee, WI: Sigma-Aldrich Corporation, 1985.
14. Lewis, R. and D. Sweet, Eds., Registry of Toxic Effects of Chemical Substances, 1985 - 1986, Washington, DC: U.S. Government Printing Office, 1987.
15. NIOSH Pocket Guide to Chemical Hazards. Washington, DC: U.S. Government Printing Office, 1992.
16. Sax, N. Irving, Dangerous Properties of Hazardous Materials 6th Ed., New York: Van Nostrand Reinhold Company. 1984.
17. Threshold Limit Values and Biological Exposure Indices for 1991 - 1992. Cincinnati, OH: American Conference of Government Industrial Hygienists, 1992.
18. Toxic Substance Control Act Inventory. Washington, DC: U.S. Government Printing Office, 1985.
19. National Institute for Occupational Safety and Health (NIOSH), (1991). The Registry of Toxic Effects of Chemical Substances (RTECS), NIOSH; Cincinnati, Ohio.
20. National Institute for Occupational Safety and Health (NIOSH), (1978). "Occupational Health Guidance for Sodium Hydroxide," NIOSH; Cincinnati, Ohio.

FOR FURTHER PRODUCT INFORMATION CONTACT:

(East or Central)  
Pioneer Chlor Alkali Company  
P.O. Box 23  
St. Gabriel, Louisiana 77078  
Tel. (504) 642-1800

(West)  
Pioneer Chlor Alkali Company  
P.O. Box 88  
Henderson, Nevada 89015  
Tel. (702) 565-8781

CHEMICAL	MFG	DATE
Amoco Premium Lead-Free Gasoline	Amoco Oil	07/19/85
Caustic Soda Beads or Pellets	Ashland Oil, Inc.	03/04/92
Blazer 851	Associated Chemists, Inc.	03/31/86
No Scrape	Associated Chemists, Inc.	12/10/85
Adhesive 1180 Splicing Gum	Atwood Adhesives, Inc.	11/27/85
Super Weld #1	Ben Miller and Co.	02/19/86
Chromate Indicator (Code #609)	Bond Chemical Co.	/ /
Formula #229	Bond Chemical Co.	/ /
Formula #402-B	Bond Chemical Co.	/ /
Formula #47-LX	Bond Chemical Co.	/ /
Molybdate Reagent (Code #624)	Bond Chemical Co.	/ /
Phenolphthalein Ind. #627	Bond Chemical Co.	/ /
Silver Nitrate N/58.5 (Code#636)	Bond Chemical Co.	/ /
MX-815: Water Base Detergent	Brulin & Company	01/09/85
Solvent Degreaser	Brulin & Company	/ /
Water Base Flexographic III Ink #22	Cal/Ink	05/15/86
Water Base Flexographic III Ink, #23	Cal/Ink	05/01/86
Water Base Flexographic V (#26 & #27)	Cal/Ink	05/01/86
Water Base Flexographic VII MSDS #36	Cal/Ink	11/01/85
Water Based Flexographic IV MSDS 24,25	Cal/Ink	11/01/85
D-56 Thinner	Central Solvents	07/25/76
Certanium 932 (P.N. 16565, 19411)	Certanium Alloys & Research	09/16/85
Certanium PMC Prep-Clean	Certanium Alloys & Research	10/22/85
CRC #3070; (Aerosol) Contact Cleaner	CRC Chemicals	11/01/85
Polytec BE	Dearborn Chemicals	05/01/78
Polytec BQ	Dearborn Chemicals	02/01/79
Polytec RB	Dearborn Chemicals	06/01/78
Dev Tap	Devcon Corp.	10/01/85
Dexa Clean #721 Super X	Dexter-Hayes Chemical	05/23/86
Actusol T-776	DuBois Chemicals	01/08/87
C-1102 (Liquid Cleaner)	DuBois Chemicals	08/06/86
Peel Filmit	DuBois Chemicals	09/16/86
Eastobond Hot-Melt Adhesives: A-298	Eastman Kodak	06/03/86
Sulfuric Acid (Oil of Vitriol)	EM Science	01/26/88
Fuel Oil #6	Exxon Chemical	01/02/73
Adhesive 3546	Fuller, H. B.	11/11/86
Adhesive V-3704	Fuller, H. B.	02/06/86
Adhesive W-3788-RL	Fuller, H. B.	02/06/86
Adhesive WB-2509	Fuller, H. B.	03/10/87
Adhesive X-3801-X-RB	Fuller, H. B.	02/06/86
Adhesive XR-1779 (Now WB-2509)	Fuller, H. B.	03/01/87
Fastset Additive WB-4508	Fuller, H. B.	03/11/91
Ballasts	General Electric	10/21/85
Light Bulbs	General Electric	05/02/85
HTI Insolubilizer 5950	Hopton Technologies, Inc.	01/01/89
Hubcor 883 Corn Starch	Hubinger Company	03/09/87
Aqueous OP Varnish	Inmont	02/26/86
Borax - Sodium Biborate Pentahydrate	Kerr-McGee	/ /
Borax - Sodium Tetraborate Decahydrate	Kerr-McGee	09/01/85
Borax - Sodium Tetraborate Pentahydrate	Kerr-McGee	08/01/85
Hydroflex GCM1-91 White	Leber Ink	08/11/82
Inks - Hydroflex	Leber Ink	12/06/85
Almasol High Temp Lubricant 1250	Lubrication Engineers	12/30/85
Almasol Vari-Purpose Gear Lubricant 605	Lubrication Engineers	11/25/85
Base for Aerosol 9102	Lubrication Engineers	11/25/85
Monolec Industrial Lubricant 4700	Lubrication Engineers	12/30/85
Monolec Turbine Oil 6405	Lubrication Engineers	11/25/85
Monolec Ultra Engine Oil 8800	Lubrication Engineers	11/25/85

Monolex Penetrating Oil 2059	Lubrication Engineers	12/30/85
Ori Set Inks	Mark-Color	/ /
Water Based Flexo Printing Inks	Mark-Color	/ /
K Stencil Ink Black	Marsh Company	10/25/85
K Stencil Ink, All Colors	Marsh Company	08/03/87
D-56 Thinner	Matthews International	10/04/90
Sealer 566 (Adhesive)	Matthews International	11/19/85
Emerald Flexo Cleaner	Matthews, James E.	/ /
Even Bond Cement	Matthews, James E.	/ /
Even Bond Sealer	Matthews, James E.	/ /
Glosscoat 2048	Michelman Chemicals	11/25/85
Resisto Coat 35	Michelman Chemicals	10/27/86
Nalco 8PD-614	Nalco	01/15/79
Nalco Solution S0277	Nalco	11/21/85
Nalcon 7649 Microbiocide	Nalco	01/02/86
Caustic Soda, Liquid, 50%	Pennwalt	02/19/87
Print Powder	Pitney Bowes	/ /
Caustic Soda Beads, Flake & Solid	PPG	/ /
Paint Thinner 49-3, TT-T-291 Type 1	Preservative Paint Company	01/13/87
D-Tarer	Pro-Specialties	/ /
BX Duplicating Fluid	Standard Dupl. Machines	/ /
Propane	Suburban Gas	07/10/87
Fuel Chief 2 #00403	Texaco	11/27/85
ST-21: Poly Spray Jet	U. S. Polychemical	05/01/86
AMSCO Solv 1104	Union Oil	10/20/80
Unocal 76 Leaded Regular	Union Oil	05/04/90
Unocal ALTMP-EP Grease	Union Oil	06/13/90
Unocal Extra Duty NL Gear Lube 3EP	Union Oil	07/14/89
Unocal Extra Duty NL Gear Lube 4EP	Union Oil	12/17/91
Unocal Guardol 30	Union Oil	10/09/91
Unocal Heating Oil #1	Union Oil	05/01/89
Unocal Hi-Temp Grease No. 2	Union Oil	07/22/85
Unocal Multipurpose ATF Dexron II	Union Oil	07/13/90
Unocal Steaval A	Union Oil	07/16/85
Unocal Turbine Oil 22	Union Oil	07/16/85
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Unocal UNAX AW 320	Union Oil	06/01/90
Unocal Unimix Two Cycle Oil	Union Oil	05/21/88
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GCM 21	Willamette Industries	04/18/86
GCM 300	Willamette Industries	01/01/80
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Adhesive	H.B. Fuller Company
Amway L.O.C.	Amway Corporation
Amway Concentrated Industroclean	Amway Corporation
Welding Rods	Alaskan Chemical
Index	Ashland Chemical Company
Absorbent All Purpose or Indus.	Ashland Chemical Company
Actusol T-776	DuBois Chemical
Adcon GL-10	Adhesives Consultants Corporation
Adhesive Remover	Rycoline Solvent & Chemical Company
Aladdin Waterless Handcleaners	Leber Ink Company Inc.
Alkyd Sanding Sealer	Preservative Paint Company
Assault	West Chemical Products, Inc.
Aqua Ammonia	Plaw Material Data Handbook
Unocal A Grease 2/	Unocal 76
Unocal Altemp - EP Grease	Unocal 76
Unocal Automotive Diesel	Unocal 76

Aragraphe

47004 Adhesive

Tom Pac, Inc.

Swift Adhesives

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APC Super Powder

Antifoam

Amway concentrated  
Industroclean

AM-TECH Inc.

Graphic Science, Inc.

Amway Corporation

**"Section B"**

**"Section B"**

Belt Dressing

Buffer Solution Hardness 1

Borax

Ben Matte Clear

Ben Matte Stain

Blazer

851 Blazer

Borax 5 Mol Tech Granular

Technical Specifications

Starch Slurry Preservative

Starch Preservative

Microorganism Control

Borax

Borden

Sprayon Products

Hach Company

U.S. Borax & Chemical Corp.

Dalys Incorporated

Dalys Incorporated

Associated Chemists Inc.

Associated Chemists Inc.

Ashland Chemical Company

Buckman Laboratories Inc.

Buckman Laboratories

Buckman Laboratories

Buckman Laboratories

Kerr-McGee Chemical Corporation

Cascorez E 9570A

566 Sealer

Graphic System Div.

**"Section C"**

**"Section C"**

Unocal Cable Lube

Unocal 76

CAB-O-GRIP II

Cabot Corporation

Carbon Dioxide

Amerex Corporation

Carry Up Solution

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CASCO-Resin WS-189-84

Borden

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Certanium 43	Certanium Alloys & Research Co.
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Certanium 70F	Certanium Alloys & Research Co.
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Certanium 77 3/32 Gas-Tig	Certanium Alloys & Research Co.
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Certanium 770 Max	Certanium Alloys & Research Co.
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Conduct Solder .032	Premier Industrial Corporation
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Dacrey 81	National Starch & Chemical Company
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Unocal Extra Duty NL Gear Lube 5EP	Unocal 76
Unocal Extra Duty NL Gear Lube 6EP	Unocal 76
Unocal Extra Duty NL Gear Lube	Unocal 76
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Full-Grip Coating	Fuller Company

Synthetic Resin Based Product	Fuller Company
Floor Dry	Eagle-Picher Industries
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	Calgon Corporation

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815 MX  
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Nonslip 222  
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Nonslip Indicator Spray  
North Woods Fireball  
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Nalco Chemical Company  
Nalco Chemical Company  
Nalco Chemical Company  
Templex Products  
Fuller Company

No-Slip 111	Key Tech
No-Slip 222	Key Tech Corporation
Proguard	National Starch & Chemical Company
Nabond	National Starch & Chemical Company
Neutralizing Amine Corrosion Inhibitor	North Coast Product Information
WT 202	North Coast Chemical Company
Umax AW32-Union Oil Co.	Unocal 76 " <u>Union Oil Co.</u> "
Overprint Varnish	Willamette Industries Inc.
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PM Oil 150	Unocal 76
Oil of Vitriol	EM Science
Omirey 2405-92	Olgilvie Mills, Inc.
Omirey 2405	Olgilvie Mills, Inc.
Oxygen Scavenger	North Coast Product Information
Printing Ink	U.S. Printing Ink Corporation
Petrolene Propane	Petrolane
Paint Thinner/Mineral Spirits	Preservatives Paint Company
Peel filmite	Dubois Chemicals
Phos Acid Cleaner	Wesman Co. Inc.
Trisodium Phosphate	Monsanto Company
Poly Spray Jet	U.S. Polychemical Corporation
Polytec Be	Dearborn Chemicals
Power Sol	Uni-Lab Corporation
PMC Prep and Clean	Premier Industrial Corporation
P. K. Dry Chemical	Amerex Corporation

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Pig Mat	Pig
Pink Luron	Van Waters
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Producer	National Starch & Chemical Company
Proguard	National Starch & Chemical Company
Steel Safety Information	Puget Sound Pipe & Supply Co.
Qualipol	Chemical Packaging Co.
Rejuvenator	R & R Smith Co. Inc.
Rapi-Bond Thinner	Huber Corporation
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Safety Info. for Rapi-Bond #2	Huber Corporation
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Ridge Dark Cutting Oil	Ridge Tool Company
28-54 Red Oxide Spraycraft	Preservative Paint Company
Ridge Nu-Clear	Ridge Tool Company
Regular Dry Chemical	Amerex Corporation
Rip-Off	4-Tek Industries, Inc.
Rozol Mineral Oil Concentrate	Chempar Chemical Co., Inc.
Shell Sol 2	Shell Canada Chemical Company
120 Silicone Spray	Rochester Midland
Type S (Caraset) /	Olgilvie Mills
HC-150	Surtec, Inc.

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Starch or Amylum Cas	Minnesota Corn Processors
Sodium Hydroxide	Baker Chemical Company
Sodium Metaborate 8 mol.	U.S. Borax Chemical Company
566 Sealer	Water Spray Foam Co. Dry Chem
49-17 Shell Xylene	Preservative Paint Company
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480 Splicing Gun	Atwood Adhesives, Inc.
Strip-Cote	Preservative Paint Co.
Super Sorb	Diatom Chemical Corporation
Shell Sol/Mineral Spirits	Shell Canada Limited
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Nr 730 Spraygrip	Chesterton Company
Super Motor Oil 10w/40	Unocal 76
Union 76, Stoddard Solvent	Union Oil Company of California
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Synthetic Resin Emulsion	Water Based Products
Talon-G Rodenticide	Van Waters & Rogers, Inc.
Tergitol	Union Carbide Corporation
Thiadiazine-Metasol D3T	Calgon Corporation
D-56 Thinner	Chemical Hazard Identification
Three Elephant V-Bor	Kerr-McGee Chemical Corporation
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Tree Top Yellow	Leber Ink Company
Turbine Oil 100	Unocal 76

Triton Synthetic Oil 5EP	Unocal 76
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Trust Accelerator	X-Ergon, A Partsmaster Co.
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Titrant Solution Hardness 3	Hach Company
Trust-X Hybrid Adhesive	X-Ergon, A Partsmaster Co.
TSP-C	Olin-Ocean Network
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Unax AW 46	Unocal 76
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82900 unmodified corn starch	Grain Processing Corporation

Vanivet 9N9	Van Waters & Rogers Inc.
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Westkleen 4115 (1851)	West Chemicals Products Inc.
White finish "lite" Mill Coat	Preservative Paint Company
White Base Prepoxy.	Preservative Paint Company
Way Oil HD 220	Unocal 76
Way Oil HD 68	Unocal 76
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WT-106	Savolite Inc.
WT-109	North Coast Chemical Company
WT-202	Savolite
MSDS Letter	Fuller Company
Synthetic Resin	Fuller Company
Zeniplex 2 Cartridge	Pennwalt Corporation
Zorball	Ashland Chemical Company
Zep Aerosolve	ZEP
Zepelec	ZEP
Vanwet 9N9	Van Waters & Rogers Inc.

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY  Specific Information by Chemical	Facility Identification		Owner/Operator Name	
	Name <u>Longview Fibre Co.</u> Street <u>5901 E Marginal Way South</u> City <u>Seattle</u> County <u>King</u> State <u>Wa</u> Zip <u>98134</u> SIC Code <u>2653</u> Duns & Brad Number <u>00-904-1443</u>		Name <u>Longview Fibre Company</u> Phone <u>(206) 425-1550</u> Mailing Address <u>P.O. Box 639 Longview, Wa. 98632</u>	
FOR OFFICIAL USE ONLY ID# _____ Date Received _____		Emergency Contact Name <u>Norman Buckholz</u> Title <u>Plant Manager</u> Phone <u>(206) 762-7170</u> 24 Hr. Phone <u>(206) 839-3937</u> Name <u>Gene Nunez</u> Title <u>Prod. Supervisor</u> Phone <u>(206) 762-7170</u> 24 Hr. Phone <u>(206) 672-0154</u>		
Important: Read all instructions before completing form				
Reporting Period		From January 1 to December 31, 19 _____		
Check if information below is identical to the information submitted last year <input type="checkbox"/>				
Chemical Description	Physical and Health Hazards (check all that apply)	Inventory	Storage Codes and Locations (Non-Confidential) Storage Locations	Optional
CAS <u>68476</u> <u>346</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Diesel Fuel #2</u> Check all that apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site (days)	<u>A14</u> Tank is on North East Corner of building	<input type="checkbox"/>
CAS <u>01310</u> <u>732</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Caustic Soda</u> Check all that apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name <u>Sodium Hydroxide Solution</u>	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>229</u> No. of Days On-site (days)	<u>C14</u> Tank inside southeast end of building	<input type="checkbox"/>
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____	<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	_____ Max. Daily Amount (code) _____ Avg. Daily Amount (code) _____ No. of Days On-site (days)	_____ _____ _____ _____ _____ _____	<input type="checkbox"/>
Certification (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through _____ and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.		Optional Attachments <input type="checkbox"/> I have attached a site plan <input type="checkbox"/> I have attached a list of site coordinate abbreviations <input type="checkbox"/> I have attached a description of dikes and other safeguard measures		
Name and official title of owner/operator OR owner/operator's authorized representative <u>Norman L. Buckholz, Plant Manager</u>		Signature <u>N. L. Buckholz</u> Date signed <u>2-28-94</u>		



# LONGVIEW FIBRE COMPANY

5901 EAST MARGINAL WAY SOUTH  
P.O. BOX 24867  
SEATTLE, WASHINGTON 98124  
206-762-7170 FAX 206-767-2442

February 28, 1994

Dear Sirs:

Enclosed is the Two Tier Emergency and Hazardous Chemical Inventory as required by Federal Emergency Planning and Community Right To Know Act (EPCRA). If you have any questions concerning this inventory, please contact me at 1-206-762-7170

Sincerely,

LONGVIEW FIBRE COMPANY

Richard Morris

RM:rp  
enclosure

<b>Tier Two</b> <b>EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY</b>  <i>Specific Information by Chemical</i>	<b>Facility Identification</b> Name <u>Longview Fibre Co.</u> Street <u>5901 E Marginal Way South</u> City <u>Seattle</u> County <u>King</u> State <u>Wa</u> Zip <u>98134</u>  SIC Code <u>2653</u> Dun & Brad Number <u>00-904-1443</u>		<b>Owner/Operator Name</b> Name <u>Longview Fibre Company</u> Phone <u>206, 425-1550</u> Mail Address <u>P.O. Box 639 Longview, Wa. 98632</u>					
	FOR OFFICIAL USE ONLY ID# _____ Date Received _____		<b>Emergency Contact</b> Name <u>Norman Buckholz</u> Title <u>Plant Manager</u> Phone <u>1 206 762-7170</u> 24 Hr. Phone <u>1 206 839-3937</u>  Name <u>Gene Nunez</u> Title <u>Prod. Supervisor</u> Phone <u>1 206 762-7170</u> 24 Hr. Phone <u>1 206 672-0154</u>					
	<b>Important: Read all instructions before completing form</b> <b>Reporting Period</b> From January 1 to December 31, 19____ <input type="checkbox"/> Check if information below is identical to the information submitted last year.							
<b>Chemical Description</b> CAS <u>68476</u> <u>346</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Diesel Fuel #2</u> Check all that apply: <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____		<b>Physical and Health Hazards</b> (check all that apply) <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)		<b>Inventory</b> <input type="checkbox"/> Max. Daily Amount (code) <u>04</u> <input type="checkbox"/> Avg. Daily Amount (code) <u>04</u> <input type="checkbox"/> No. of Days On-site (days) <u>365</u>		<b>Storage Codes and Locations (Non-Confidential)</b> Container Type <u>A</u> Pressure <u>1</u> Temperature <u>4</u> Storage Locations <u>Tank is on North East Corner of building</u>		Optional
CAS <u>01310</u> <u>732</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Caustic Soda</u> Check all that apply: <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name <u>Sodium Hydroxide Solution</u>		<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)		<input type="checkbox"/> Max. Daily Amount (code) <u>04</u> <input type="checkbox"/> Avg. Daily Amount (code) <u>04</u> <input type="checkbox"/> No. of Days On-site (days) <u>229</u>		Container Type <u>C</u> Pressure <u>1</u> Temperature <u>4</u> Storage Locations <u>Tank inside southeast end of building</u>		Optional
CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS EHS Name _____		<input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)		<input type="checkbox"/> Max. Daily Amount (code) _____ <input type="checkbox"/> Avg. Daily Amount (code) _____ <input type="checkbox"/> No. of Days On-site (days) _____		Container Type _____ Pressure _____ Temperature _____ Storage Locations _____		Optional
<b>Certification:</b> (Read and sign after completing all sections) I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through _____ and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.								
Name and official title of owner/operator OR owner/operator's authorized representative <u>Norman L. Buckholz, Plant Manager</u>				Signature <u>M. L. Buckholz</u> Date signed <u>2-28-94</u>		<b>Optional Attachments</b> <input type="checkbox"/> I have attached a site plan <input type="checkbox"/> I have attached a list of site coordinate abbreviations <input type="checkbox"/> I have attached a description of dikes and other safeguard measures		



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Sincerely,

LONGVIEW FIBRE COMPANY

Richard Morris

RM:rp  
enclosure

LFC001541

**Tier Two  
EMERGENCY  
AND  
HAZARDOUS  
CHEMICAL  
INVENTORY**Specific  
Information  
by Chemical**Facility Identification**Name Longview Fibre Co.  
Street 5901 E Marginal Way South  
City Seattle County King State Wa Zip 98134SIC Code 2653Dun & Brad Number 00-904-1443FOR  
OFFICIAL  
USE  
ONLY

ID #

Date Received

**Owner/Operator Name**Name Longview Fibre Company Phone (206) 425-1550  
Mail Address P.O. Box 639 Longview, Wa. 98632**Emergency Contact**Name Norman Buckholz Title Plant Manager  
Phone (206) 762-7170 24 Hr. Phone (206) 839-3937Name Gene Nunez Title Prod. Supervisor  
Phone (206) 762-7170 24 Hr. Phone (206) 672-0154**Important: Read all instructions before completing form****Reporting Period**

From January 1 to December 31, 19

☐ Check if information below is identical to the information submitted last year.**Chemical Description**CAS 68476 346 Trade Secret ☐Chem. Name Diesel Fuel #2Check all that apply: ☒ Pure ☐ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHS

EHS Name

**Physical  
and Health  
Hazards**  
(check all that apply)☒ Fire  
☐ Sudden Release of Pressure  
☐ Reactivity  
☐ Immediate (acute)  
☐ Delayed (chronic)**Inventory**Max. Daily Amount (code) 04  
Avg. Daily Amount (code) 04  
No. of Days On-site (days) 365Container  
Type  
Pressure  
TemperatureA14**Storage Codes and Locations  
(Non-Confidential)****Storage Locations**Tank is on North East Corner of building

Optional

CAS 01310 732 Trade Secret ☐Chem. Name Caustic SodaCheck all that apply: ☐ Pure ☒ Mix ☐ Solid ☒ Liquid ☐ Gas ☐ EHSEHS Name Sodium Hydroxide Solution☐ Fire  
☐ Sudden Release of Pressure  
☒ Reactivity  
☒ Immediate (acute)  
☐ Delayed (chronic)Max. Daily Amount (code) 04  
Avg. Daily Amount (code) 04  
No. of Days On-site (days) 229C14Tank inside southeast end of buildingCAS           Trade Secret ☐

Chem. Name

Check all that apply: ☐ Pure ☐ Mix ☐ Solid ☐ Liquid ☐ Gas ☐ EHS

EHS Name

☐ Fire  
☐ Sudden Release of Pressure  
☐ Reactivity  
☐ Immediate (acute)  
☐ Delayed (chronic)Max. Daily Amount (code)       
Avg. Daily Amount (code)       
No. of Days On-site (days)         **Certification (Read and sign after completing all sections)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through \_\_\_\_\_ and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Norman L. Buckholz, Plant Manager

Name and official title of owner/operator OR owner/operator's authorized representative

Signature

Date signed

**Optional Attachments**☐ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures

LFC001543

☒ I have attached a site plan

☐ I have attached a list of site coordinate abbreviations

☐ I have attached a description of dikes and other safeguard measures

<b>Facility Identification</b> Name <u>Longview Fibre Co.</u> Address <u>5901 E. Marginal Way South</u> City <u>Seattle</u> County <u>King</u> State <u>WA</u> Zip <u>98134</u> Latitude <u>N47°20.235'</u> Longitude <u>W122°32.989'</u> SIC Code <u>2653</u> Dun Bradstreet No <u>009041443</u>		<b>Owner/Operator Name</b> Name <u>Longview Fibre Co.</u> Phone <u>(360) 425-1550</u> Address <u>End of Fibre Way</u> City <u>Longview</u> State <u>WA</u> Zip <u>98632</u> FAX <u>(360) 575-5934</u> EMAIL: <u>tdcraig@longfibre.com</u>	
<b>Mailing Address</b> Must be included if different from Facility Address Name <u>Longview Fibre Co.</u> Street <u>5901 E. Marginal Way South</u> PO Box <u>24867</u> City <u>Seattle</u> State <u>WA</u> Zip <u>98124</u>		<b>Emergency Contact</b> Name <u>Tom Craig</u> Title <u>Plant Manager</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 793-4638</u> Name <u>Belton Rogers</u> Title <u>Plant Superintendent</u> Phone <u>(206) 762-7170</u> 24-hr. Phone <u>(206) 723-3086</u>	

Important: Read all instructions before completing form.

Reporting Period: From January 1 to December 31, 2000

☒ Check if information below is identical to the information submitted last year.

Chemical Description	Physical and Health Hazards (check all that apply)	INVENTORY	Storage Codes			Storage Locations (Non-Confidential) (Please Print)
			Container Type	Pressure	Temperature	
CAS <u>68476302</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Diesel #2 Fuel</u> EHS Name _____ Check all that apply <input checked="" type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS CAS <u>1310732</u> Trade Secret <input type="checkbox"/> Chem. Name <u>Sodium Hydroxide Solution</u> EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS CAS _____ Trade Secret <input type="checkbox"/> Chem. Name _____ EHS Name _____ Check all that apply <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> EHS	<input checked="" type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)  <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)  <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input type="checkbox"/> Immediate (acute) <input type="checkbox"/> Delayed (chronic)	<u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site  <u>04</u> Max. Daily Amount (code) <u>04</u> Avg. Daily Amount (code) <u>365</u> No. of Days On-site  <input type="checkbox"/> Max. Daily Amount (code) <input type="checkbox"/> Avg. Daily Amount (code) <input type="checkbox"/> No. of Days On-site	<u>A</u> <u>1</u> <u>4</u>  <u>C</u> <u>1</u> <u>5</u>  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>4</u> <u>4</u> <u>5</u>  <u>5</u> <u>5</u> <u>5</u>  <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<u>Tank is located at the NE corner of the building.</u>    <u>Tank is inside building at SE corner.</u>         	

**Certification (Read and sign after completing all sections)**

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one thru \_\_\_\_\_, and that based on my inquiry of these individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Tom Craig, Plant Manager

Name and official title of owner/operator's authorized representative

Signature

Date Signed

**OPTIONAL ATTACHMENTS**

- ☒ I have attached a site plan  
☐ I have attached a list of site coordinate abbreviations  
☐ I have attached a description of dikes and other safeguard measures